

ABSTRACT

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Heat Transfer Fluids for Low Temperature Application comprising Aromatic Hydrocarbons.

10 Heat transfer fluids which can be used over a broad range of temperatures such as from -125°C to $+175^{\circ}\text{C}$ are disclosed. These transfer fluids consist essentially of a mixture of two either narrowly defined structurally non-identical alkyl- or polyalkyl-benzene components or a mixture of a narrowly defined
15 aromatic alkyl- or polyalkyl-benzene component and an aliphatic hydrocarbons component. The level of the various ingredients is such that the transfer fluids exhibit a cloud point below -100°C , a vapor pressure at $+175^{\circ}\text{C}$ below 827 kPa and a viscosity, measured at the cloud point temperature $+10^{\circ}\text{C}$, below 400 cP.

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